

Illinois Environmental Protection Agency  
Bureau of Air, Permit Section  
1021 N. Grand Avenue East  
P.O. Box 19506  
Springfield, Illinois 62794-9506

Project Summary  
The Federally Enforceable State Operating Permit (FESOP)  
Pactiv Packaging Inc.  
d/b/a: Pactive  
315 Kirk Road, St. Charles, Kane County

Site Identification No: 089483ABV  
Application No.: 95090108

Schedule

Public Comment Period Begins: April 30, 2014  
Public Comment Period Closes: May 30, 2014

Illinois EPA Contacts

Permit Analyst: Valeriy Brodsky  
Community Relations Coordinator: Brad Frost  
217/782-7027  
Brad.frost@illinois.gov

## **I. INTRODUCTION**

Pactiv Packaging Incorporated currently operates under federally enforceable state operating permit (FESOP) which has expired. The company requested a renewal of their FESOP to continue to operate as non-major source for the purposes of the Clean Air Act Permit Program (CAAPP). This plant requires an air pollution control operating permit because it is a source of emissions. The Illinois EPA has prepared a draft of the renewed permit that it would propose to issue for the plant. However, before issuing the permit, the Illinois EPA is holding a public comment period to receive comments on this proposed action and the terms and conditions of the draft permit that it would propose to issue.

## **II. SOURCE DESCRIPTION**

Pactiv Packaging Incorporated manufactures paperboard cups and cartons and polystyrene lids for food industry. Process equipment consists of three rotogravure printing/folding/gluing presses. The inks, coatings and adhesives are applied to paperboards which are die-cut to customer's specification and dried in natural gas fired dryers. Plastic lids are formed in thermoforming machine from polystyrene resin. The equipment is periodically cleaned with solvent solutions in three cold degreasers and with rag wiping. The principal air contaminant emitted from the facility is Volatile Organic Material (VOM), generated during the inks and adhesives application and solvent cleaning operations. Some of these materials contain hazardous air pollutants (HAP). Natural gas combustion in the dryers generates emissions predominantly comprised of Nitrogen oxides ( $\text{NO}_x$ ) and Carbon Monoxide (CO).

## **III. GENERAL DISCUSSION**

Federally Enforceable State Operating Permits (FESOPs) are federally enforceable, that is, the terms and conditions of the permits can be enforced by USEPA under federal law, as well as by Illinois government and the public under state law. These permits can establish federally enforceable limitations on the operation and emissions of a source that restrict the potential emissions of the source.

The source has been operating this plant under a FESOP because the actual emissions of the plant are below the levels at which the plant would be considered a major source under Title V of the Clean Air Act and regulations promulgated thereunder. However, in the absence of federally enforceable limitations, the plant's potential emissions would be such that the plant would be considered a major source for this program. The permit acts to restrict the plant potential emissions so that it need not be considered a major source. As a result, the source does not need to obtain a Clean Air Act Permit Program (CAAPP) permit for the plant, as would otherwise be required.

The FESOP limits the operation and annual emissions of the plant to below the major-source-thresholds of 100 tons for VOM, 10 tons for an individual HAP and 25 tons for combined HAPs.

## **IV. APPLICABLE EMISSION STANDARDS**

All emission units in Illinois must comply with state emission standards adopted by the Illinois Pollution Control Board. These emission standards represent the basic requirements for sources in Illinois. The board has specific standards for units emitting volatile organic material, e.g., 35

IAC, Part 218, Subpart E – Solvent Cleaning, Subpart F - Coating Operations, Subpart H – Printing Operations. The company's operations are exempt from the 35 IAC Part 218 Subpart H requirements due to limiting their VOM emissions below applicability threshold of 25 tons per year. The facility's operations are subject to general requirements of 35 Ill. Adm. Code Part 218 Subpart G. The application shows that the plant is in compliance with applicable state and federal emission standards.

## **V. CONTENTS OF THE PERMIT**

The renewed permit that the Illinois EPA is proposing to issue would continue to identify the specific emission standards that apply to the emission units at the plant. As explained, the offset lithographic printing is exempt from requirements of 35 IAC Subpart H.

The conditions of this permit are intended to ensure that the source continues to comply with applicable emission standards.

The permit would also contain limitations and requirements to assure that this plant is operated as a non-major source. The permit would limit the operation and annual emissions of the plant to below the major-source-thresholds of 100 tons for VOM, 10 tons for an individual HAP and 25 tons for combined HAPs.

The permit conditions would also continue to require appropriate compliance procedures, including inspection practices as well as recordkeeping and reporting requirements. The source must carry out these procedures on an on-going basis to demonstrate that the plant is being operated within the limitations set by the permit and the plant's emissions are being properly controlled.

## **VI. REQUEST FOR COMMENTS**

It is the Illinois EPA's preliminary determination that the source has met the requirements for renewal of its permit. The Illinois EPA is therefore proposing to renew the permit.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 IAC Part 166.